

Current & Future Capabilities of the Commercial Weather Services Association (CWSA)

Commercial Weather Service Information Services
&
Capabilities for Surface Transportation Decision Support
WIST Symposium - Panel 2

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WSI Corporation

CWSA Members

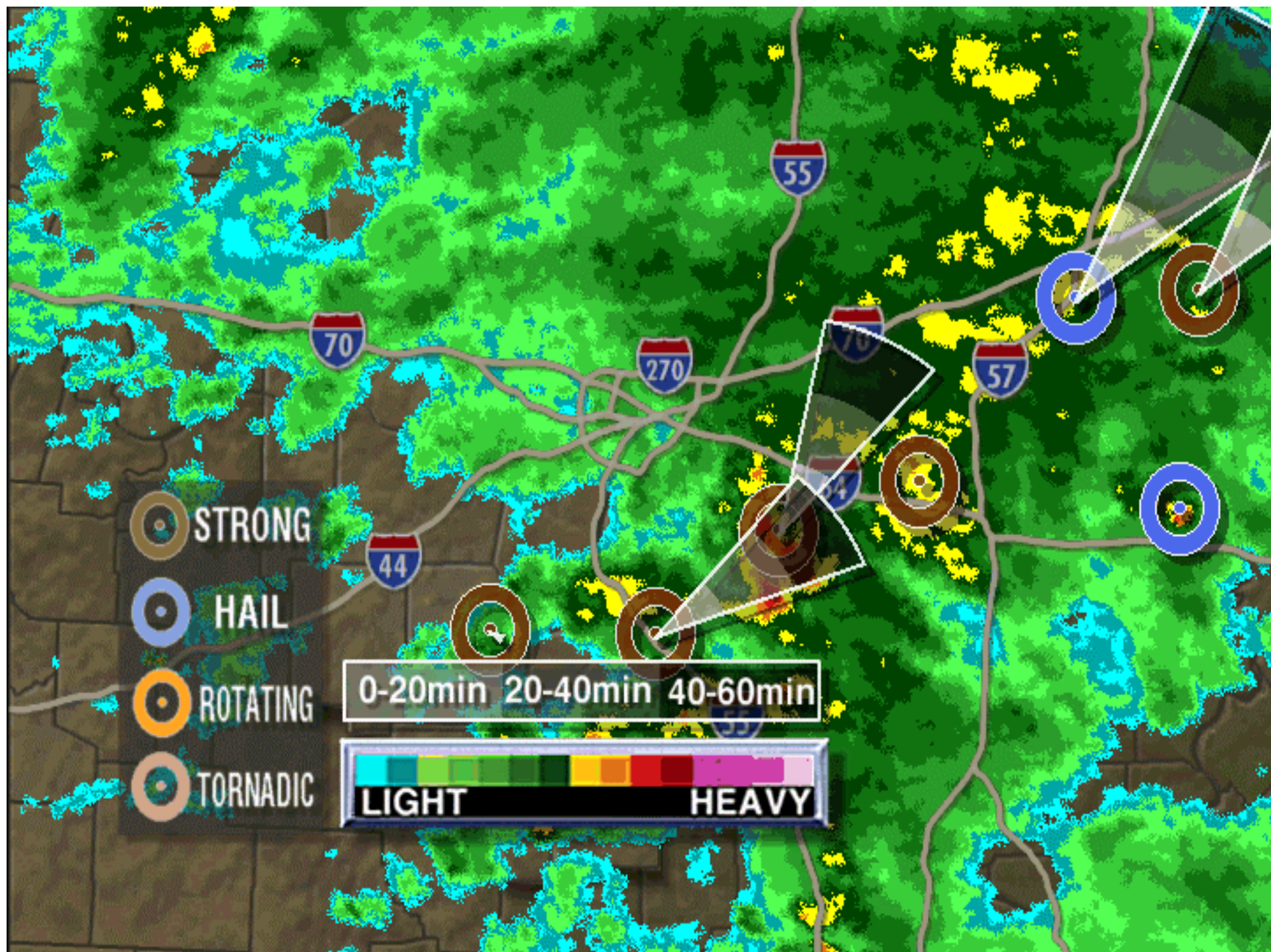
- 39 Commercial Weather Companies
- Those serving Surface Transportation include-
 - Accuweather
 - DTN Kavouras Inc.
 - Litton-WSI
 - Unisys
 - Weather Data Inc

Markets Served

- Trucking Firms
- Railroads
- Pipelines
- State, County and Local Highway Departments
- State RWIS programs
- Highway Information Kiosks
- Maintenance and Operations
- Police and Emergency Management

Services

- Full suite of weather data including:
 - Customized current and forecast weather maps, charts, reports
 - Highway conditions reports
 - Satellite Cloud Coverage & Radar data
 - Weather watches and warnings
- Training
- Consulting

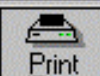
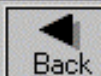


Services

- Collection, processing and dissemination of third party sensor information-
“Kavouras has the capability to access road weather data collection platforms, e.g. pavement sensors, analyze this data, and create value added products and transmit it back to the DoT’s for operational decision support purposes.”

Delivery Systems

- Weather paging systems
- Weather workstations and display systems
- Communications systems, including
 - Internet access
 - Direct Satellite data feeds
 - Dial-up access
- Software packages for weather display and analysis



WSI PILOTbrief Vector



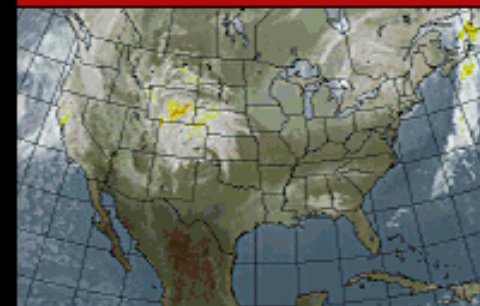
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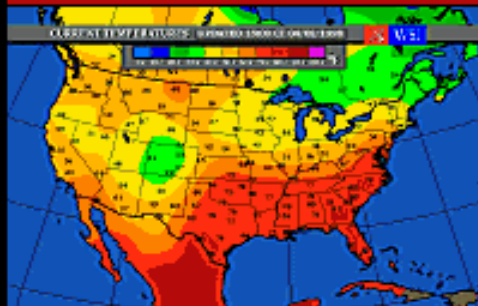
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PILOTbrief
This is the first of the PILOTbrief series of weather briefings. It is designed to provide the pilot with a quick overview of the current weather conditions in the United States. The briefings are updated hourly and are available for the entire United States. The briefings are designed to be used in conjunction with the WSI PILOTbrief Vector software. The briefings are available for the entire United States. The briefings are designed to be used in conjunction with the WSI PILOTbrief Vector software. The briefings are available for the entire United States. The briefings are designed to be used in conjunction with the WSI PILOTbrief Vector software.

NOTES
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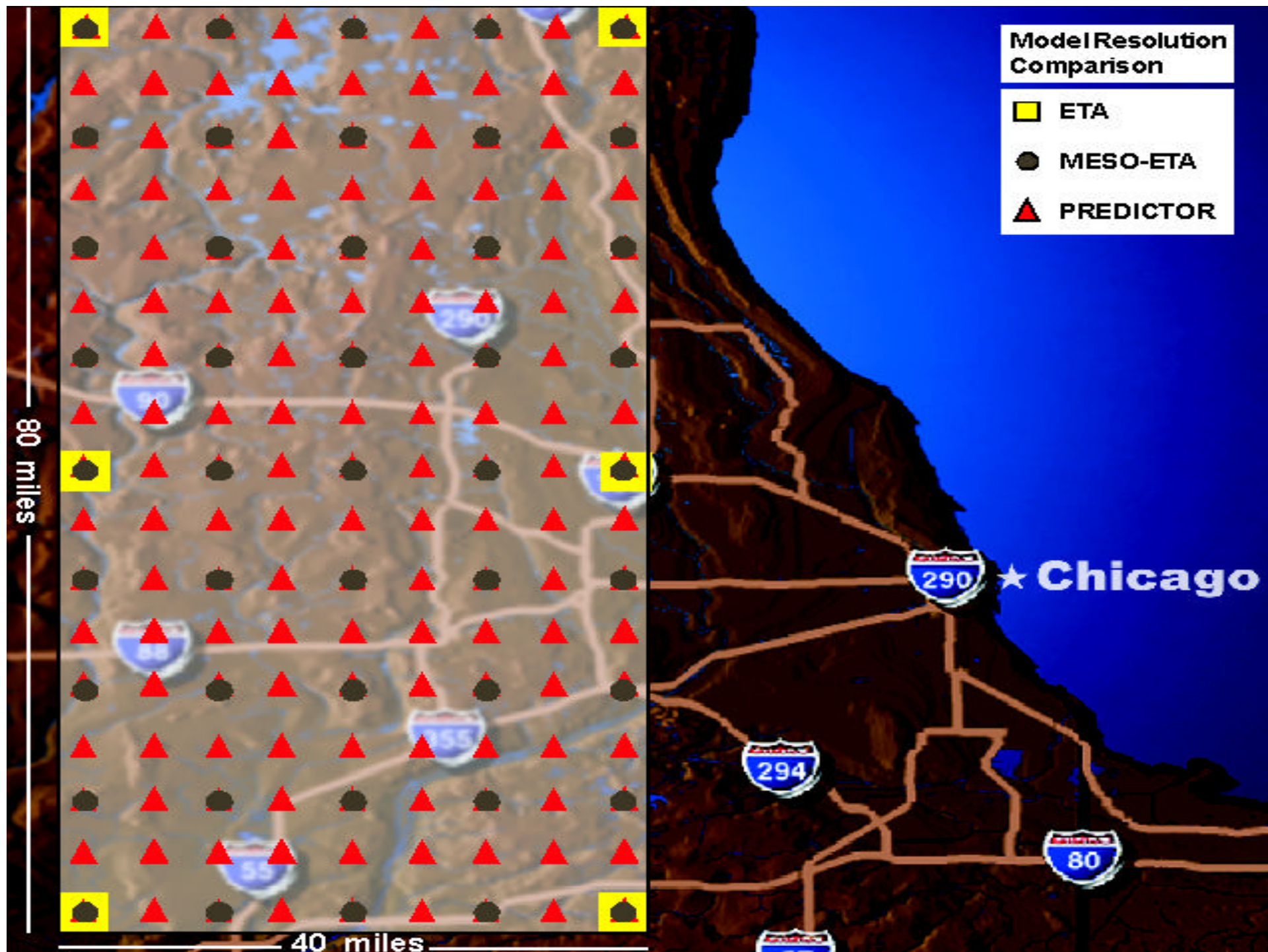
DISCLAIMER
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Click Here for
access to all
help area topics

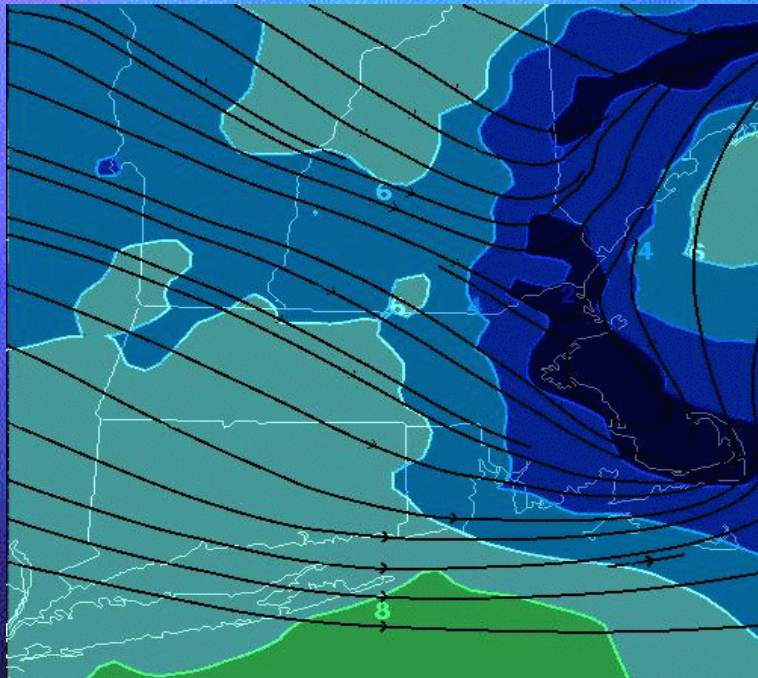
HELP AREA

New Services

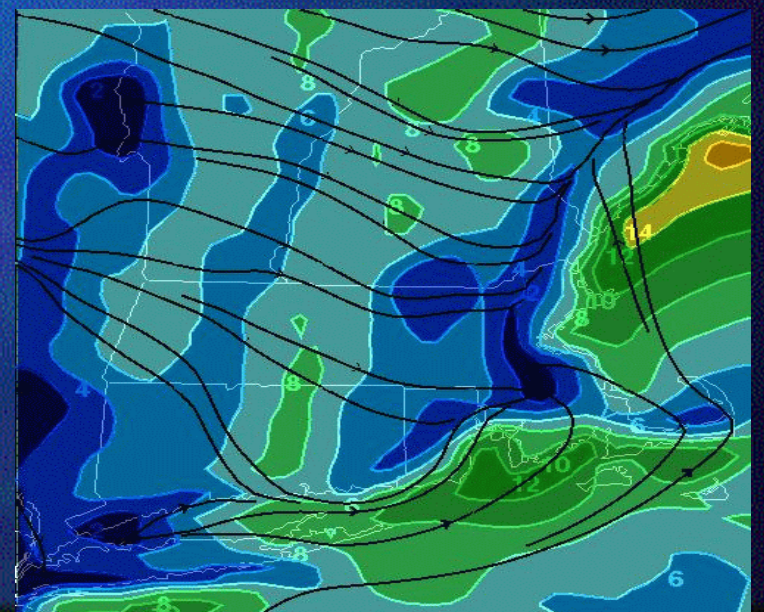
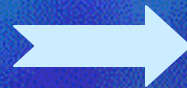
- Local, Local Numerical Weather Prediction Forecasting Capabilities
- Better Visualizations
- Improved Data Fusion Techniques



Local, Local Modeling

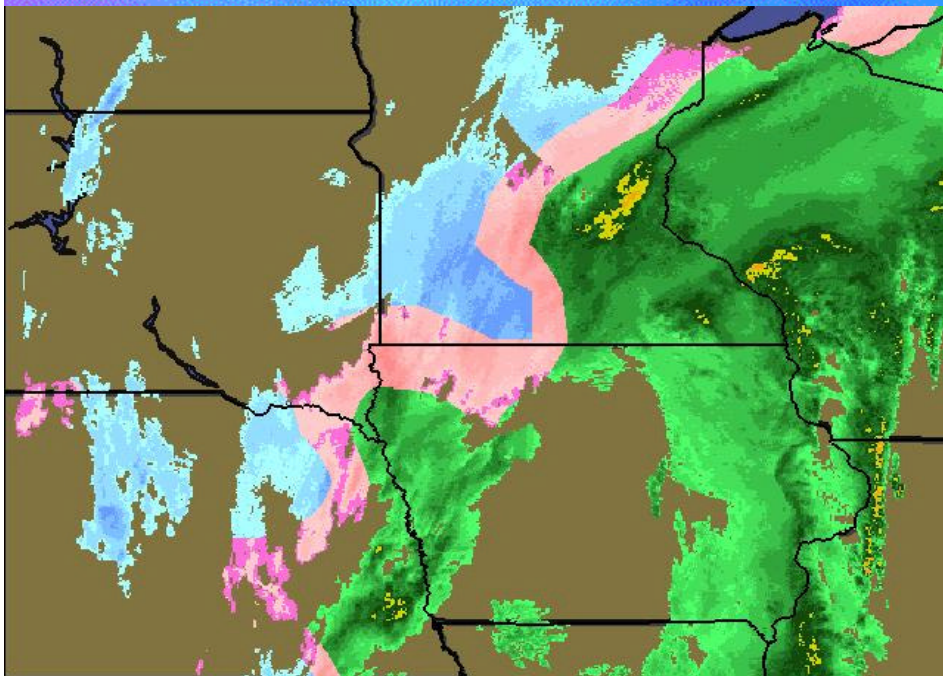


NCEP's 20 km
Meso-Eta Model



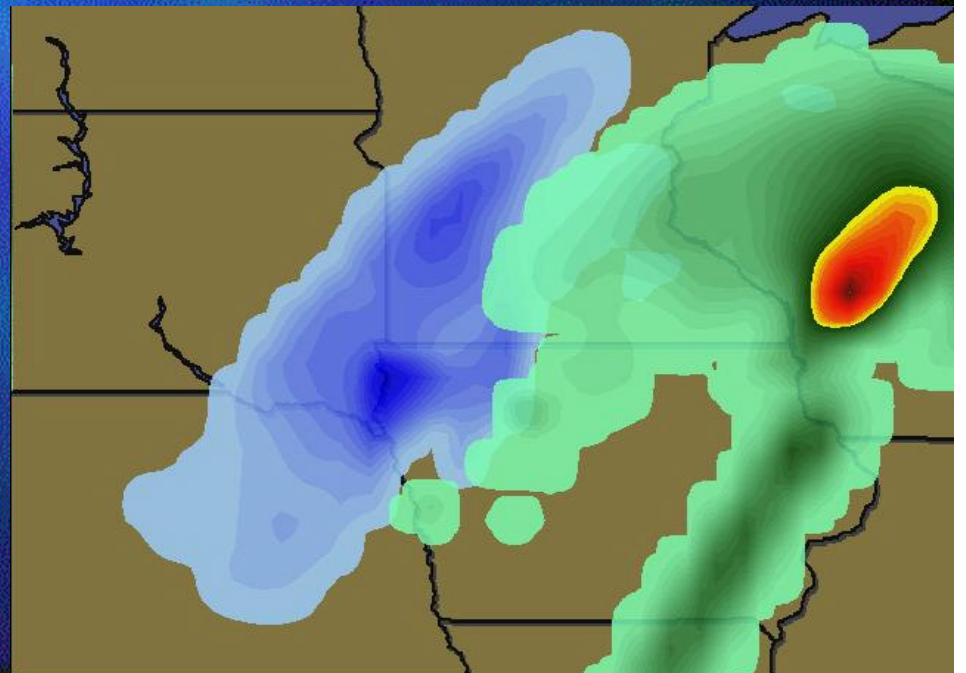
WSI's 10 km
Predictor (MM5) Model

Actual vs 12 hr Forecast



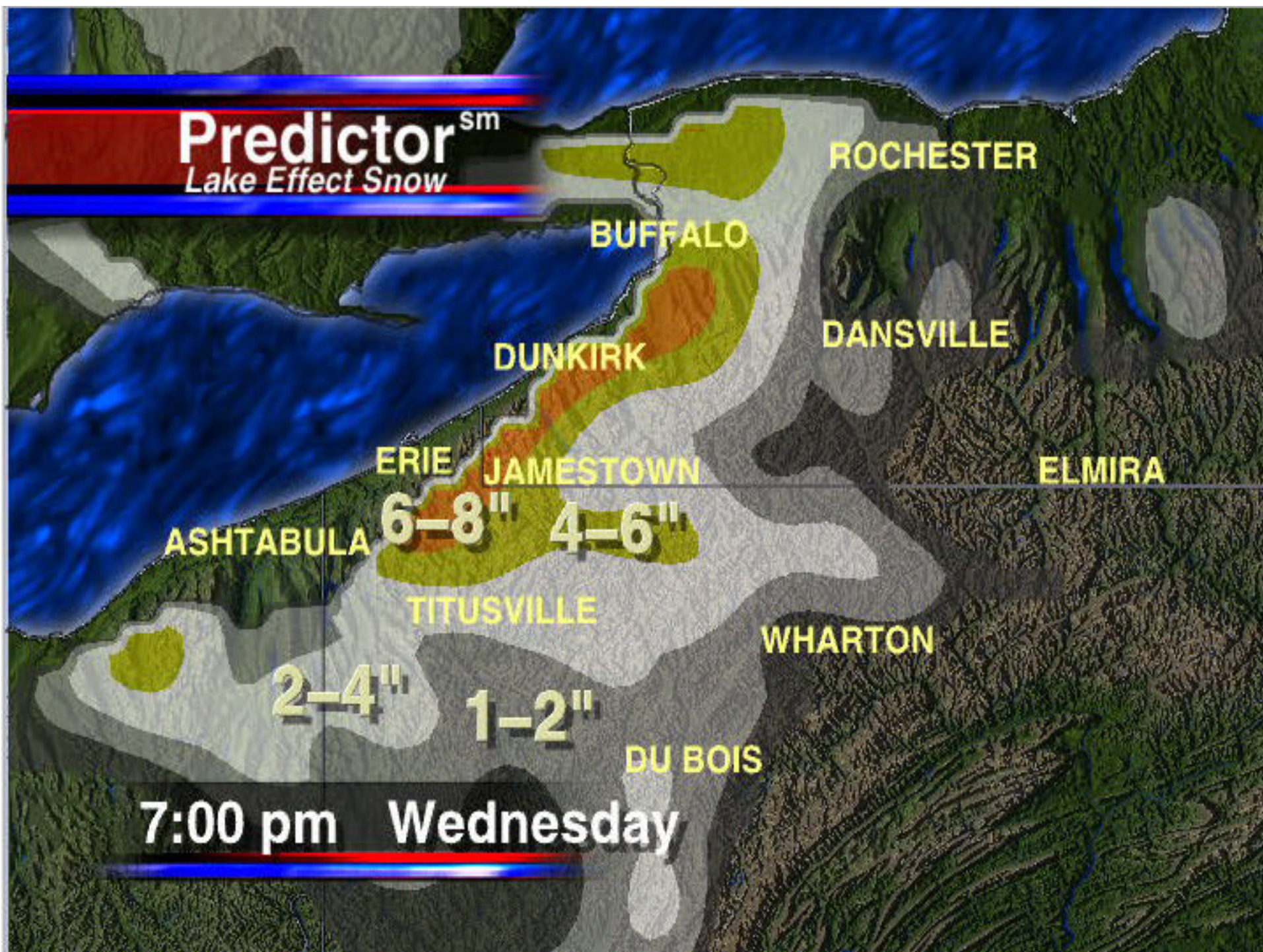
**Actual NOWrad Winter
Storm Mosaic**

**12 hr Predictor
Forecast**



Predictorsm

Lake Effect Snow



Predictorsm
FOGcast

50
SANTA ROSA

53
SACRAMENTO

53
SAN FRANCISCO

51
MODESTO

49
SAN JOSE

51
MERCED

49
SALINAS

10:00 am Thursday

NEWSCENTER 4
24 | HOUR | NEWS

Predictorsm
Clouds & Rain

SANTA ROSA

SACRAMENTO

SAN FRANCISCO

MODESTO

SAN JOSE

MERCED

SALINAS

11:00 pm Wednesday

NEWSCENTER 4
24 | HOUR | NEWS

Predictorsm
12 Hour Total Precipitation

1.2"
SAN RAFAEL

1.0"
VALLEJO

.70"
CONCORD

.75"
SAN FRANCISCO

.90"
OAKLAND

1.4"
HAYWARD

.50"
SAN MATEO

.60"
FREMONT

7:00 am Thursday

NEWSCENTER 4
24 | HOUR | NEWS

Summary

- Surface Transportation will benefit from technology's impact on numerical weather prediction, analysis tools and dissemination methodologies.
- CWSA members are leaders in providing the most technically advanced solutions at the most affordable prices---and are prepared to meet these needs.